

ABSTRACT OF THE DISCLOSURE

An improved disinfecting air filter that can be used to disinfect air or other gases. The invention can be advantageously used as a standalone to control microorganisms or used with a traditional HEPA filter to effectively control all microorganisms as well as 5 dust particles. The device ~~comprises~~ ^{contains} an iodine-donating filter disposed to dispense an effective quantity of iodine vapor into the gas or air stream to be filtered. The iodine laden air then passes through a porous filter of polyvinyl acetal polymer which material has an unusual affinity for iodine and effectively removes it leaving disinfected and iodine-free air or gas.

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